



PetroChina Photovoltaic Energy Storage Project

Will China's largest oil & gas company build a solar-to-hydrogen project?

China's largest onshore oil and gas operator PetroChina has won government approval to build a major solar-to-hydrogen project in the country's northwest China's Gansu province, the first of many such projects to be constructed at the company's existing domestic onshore fields.

What is PetroChina's hydrogen project?

Located at PetroChina's mature Yumen oilfield, the project will also involve the construction of an export pipeline, extending 6.7 kilometres from the hydrogen units to the Yumen refinery and a local chemical industry zone, where hydrogen will be utilised as feedstock.

How many tonnes a year can a photovoltaic power generation module produce?

When completed in late 2024, the project will be able to produce 2100 tonnes per annum of green hydrogen. The photovoltaic power generation module has a photovoltaic installed capacity of 30 megawatt peak for hydrogen production by electrolysis. The annual average power generation capacity is 50,578 megawatt hours.

What is CNPC's hydrogen project?

CPECC said the project is parent company CNPC's first involving large-scale electrolysis water hydrogen production. "It is a demonstration project for PetroChina to expand the wind-solar hydrogen and storage integrated industrial park at its onshore fields," CPECC said.

PetroChina's first water surface photovoltaic project connected to the grid in Daqing Oilfield. Author : PCEC. 13 July 2022. Recently, PetroChina's first water surface photovoltaic project, Daqing Oilfield Spark Water Surface Photovoltaic ...

Shell - Press release. PetroChina International Co. Ltd. today received its first carbon-neutral 1 liquefied natural gas (LNG) cargo at Dalian port of China, after signing the ...

Plans include three water alkaline electrolyzers and two proton exchange membrane hydrogen production stations. China's onshore giant PetroChina has started building a groundbreaking solar-to-hydrogen project in ...

As of November 8, PetroChina's first surface solar panel project, Daqing Oilfield Xinghuo Photovoltaic Power Station, has been running smoothly for 131 days, with a cumulative power generation exceeding 10 ...

However, PetroChina's comprehensive charging and swapping demonstration station in the Beijing Winter Olympics Village has completely lost the smell of oil. It is a seven-in-one facility ...



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BEIJING, July 19, 2023 - China has approved PetroChina's plans to build a solar-to-hydrogen project located in the northwest Gansu province, Upstream Online reported on Tuesday. The project will be located in the oil and gas giant's ...

Everything is difficult at the beginning, but as the vanguard of the entire group company, the branch firmly believes that the task can be successfully completed, and uses practical actions to build the project into a ...

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V.C. Bird International Airport of Antigua Solar/Energy Storage Project - PV Energy Ltd . pv energy ltd. st john's, antigua and barbuda, antigua and barbuda antigua and barbuda north ...

The Project is a hydrogen production plant that directly uses large-scale photovoltaic power generation and with a total investment of 3 billion yuan (\$470.77 million) is mainly comprised ...

The hydrogen will be sourced from a power-to-liquids demonstration project at Yumen, which converts solar energy from a 160-MW PV station into hydrogen through a PV-electrolysis system.

Daqing Oilfield Spark Water Surface Photovoltaic Demonstration Project, as the first water surface solar panel project of PetroChina, has completed the successful exploration of independent design and construction ...



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